ABSTRACT

A rotary internal combustion engine has a shaft, a compression chamber, an ignition chamber, a center wall, a first rotor, and a second rotor. The shaft is fixed to the rotors while being rotatably mounted to the compression and ignition chambers. The compression chamber has an oval shaped chamber wall and receives fuel and compresses the fuel. The ignition chamber has an oval shaped chamber wall and receives compressed fuel from the compression chamber and combusts the compressed fuel. The center wall is located between the compression chamber and ignition chamber and allows passage of compressed fuel from the compression chamber to the ignition chamber. The first rotor has a circular perimeter surface and is rotatably received within the compression chamber. The second rotor has a circular perimeter surface and is rotatably received within the ignition chamber.